

### Lab 13

Pokemon Go is an augmented reality game developed by Niantic, Inc for Android and iOS. In this game, there are beings called Pokemons that can be captured by players. These beings can still be used to play with others in gyms. The 'pokemon.csv' file displays data about Pokemons. Each line represents a pokemon, including the following data:

MAX\_HP -Max of life

MAX\_ATT- Max damage

MAX\_DEF -Max defense

MAX\_CP - Max power of combat

CATCH\_RATE - Probability of catching

ESCAPE\_RATE - probability of escaping

Type 1 -

Type 2 -

You can:

Identify how many types 1 types 2 are there?

Create an explanatory model that the "target" is the "Max Power of Combat". Choose the features. It is suggested: Maximo of life, maximum damage and maximum defense. Use multiple models, including regressions.

Analyze whether intendant variables should be eliminated. For example, if they have reduced variability or if they are too correlated with each other.